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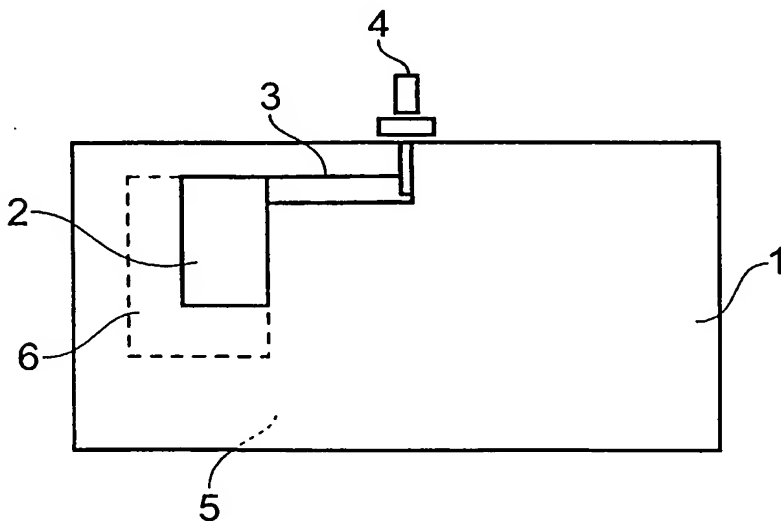
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(54) Title: AN ELECTRICALLY SMALL DIELECTRIC ANTENNA WITH WIDE BANDWIDTH



(57) Abstract: A dielectric antenna comprising a dielectric element mounted on a first side of a dielectric substrate, a microstrip feed located on the first side of the substrate and extending between the substrate and the dielectric element, and a conductive layer formed on a second side of the substrate opposed to the first, wherein an aperture is formed in the conductive layer at a location corresponding to that of the dielectric element. The antenna is electrically small, has wide bandwidth and good gain characteristics, is efficient and not easily detuned.

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